Title: SYSTEM AND METHOD FOR EXTRACTING USER .

SELECTED DATA FROM A DATABASE Inventor(s): Michael FRANCIS Serial No.: Unknown

Docket No.: 3700.P0414US

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## User Interface

## Internal Representation

	Dimension Hierarchy	i	٠				
		!	ed	cBas	eld	dFrom	dΤσ
	Fault Location	li	L.%				
<u> </u>	North	1	L.N.%				
+	RegionNI		L N 1 %				
	RegionN2	L	L.N.2.%			,	
	Location-a		LN 2 a %	N2 a			
	Location-b	H	L.N.2.b.%	N2-b			
	Location-c	H	L.N.2.c.%	N2-c	,		
	Location-d		L.N.2.d.%	N2-d			
	Location-e		L.N.2.E.%	N2-e	!		
	many more	1	L.N.2%				
+	RegionN3	1	L.N.3.%				
-	South	1	L.S.%				
+	RegionS1 .	1	L.S.1.%				
+	RegionS2	1:	L.S.2.%				•
_	Fault Type		T.%				
	Mechanical		тм%				
	Cabling	1	T.M.C.%	MC			
	Mountings	1	T.M.M.%	ММ			
-	Electrical	į	T.E.%				
	Power supply	į	T.E.P.%	EP			
	Circuit card		T.E.C.%	EC			
-	Engineer		E.%				
+	Team1	l i	E.1.%		<u>-</u>	·	
+	Team2	li	E.2.%			·	
-	Team3	ll i	E.3.%				
	A.Smith		E 3.1.%	Eng	1	2002-01-0	И
	A.R.Read		E32%	Eng	2		2001-08-04
	Measure Definitions						
	Coulte Departs -		Measure V	alue.			Data Table
-	Faults Reported		1	dReport		ποσ	FaultData
-	Av. Time to Fix		dFix-dRep				FaultData
	Pipeline outstanding faults		nPipeline		dPipeline		PipelineData

FIG. 1

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## FaultData

Column Data Type Indexed Notes								
Name								
cFaultd	varchar (255)	Υ	Primary Key					
dReport	Datetime	N	Date on which fault reported					
dFix	Datetime	N	Date on which fault fixed (NULL if not fixed)					
cLocid	varchar (255)	Υ	Location of fault					
cEngld	varchar (255)	Y	Engineer assigned to fault					
cTypeld	varchar (255)	Υ	Type of fault					

## **PipelineData**

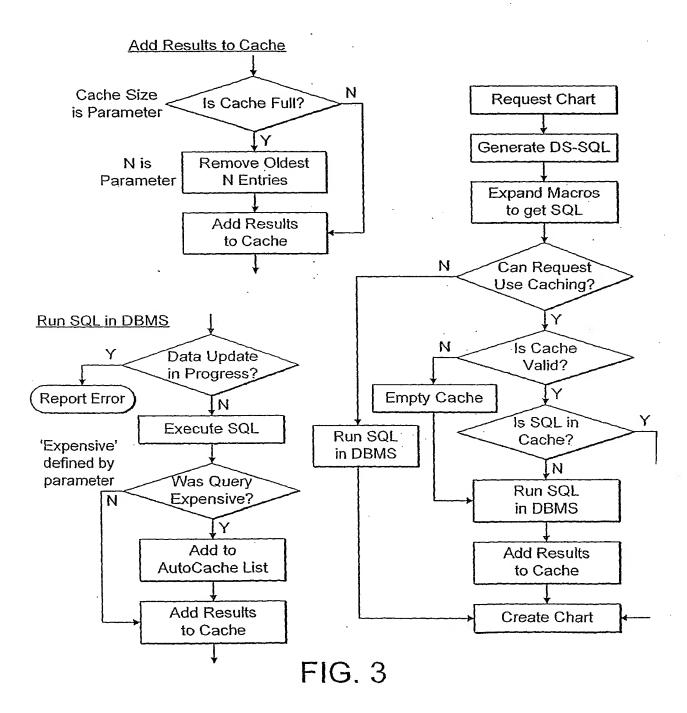
Column Name	Data Type	Indexed	Notes
dPipeline	Datetime	Υ	Snapshot date
nPipeline	number	N	Num of faults in pipeline for this loc and type
cLocationId	varchar (255)	N	Location of fault
cTypeld	varchar (255)	Υ	Type of fault

FIG. 2

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